FIGURE 1

[] = sequence flanking Neo insert in targeting construct

TTCGGATCCTTGGACCTTCCCGGTTCTTCTACCCCATTCTGGCCCTTGAGCCCAGGGAGC
GAGGGCAGTGTGGTTAATGGGGAGAGCCATGCATCCGGGACCACCACTCTCACAGACTGC
CTGCGAAG [ATTTACCAGACCAGAGCACTTAGGAAGCAGTGCCAAGATCAAGTGTAGCGGT
TGCCATAGC] TACCAAGAGTCCACAAAGCAGCTCACCATGAAGAAGCTGCCCATTGTGGCC

TGTTTCCATCTCAAACGATTTGAACACTCAGCCAAACTTCGGCGGAAGATCACCACATAT

GTGTCTTTTCCCCTGGAACTGGACA [TGACGCCCTTCATGGCCTCCAG] CAAAGAGAGCAGG
ATGAATGGGCAATACCAGCAGCCCCTGGACAGTCTCAACAATGACAACAAATACTCCCTG
TTTGCTGTCGTTAACCATCAAGGGACCTTGGAGAGTGGCCACTACACCAGCTTCATCCGG
CAGCACAAAGACCAGTGGTTCAAGTGTGATGACGCCATTATCACCAAGGCCAGCATCAAA
GATGTACTGGACAGTGAAGGGTACTACTCTTCTATCACAAAACAGTTCCTGGATTACGAGT
AGCTCCTGCCTTGCTGGCCAGAGAAAAGAGAGAGAA

Gene Sequence
Structure *

Size of EST contig: 634 bp

FIGURE 2A

 Targeting Vector* (genomic sequence)

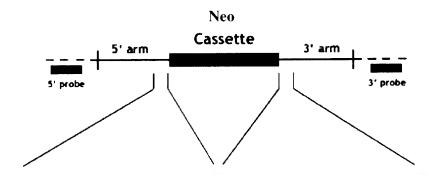
Construct Number: 2869

Arm Length: 5': 0.4 kb **3**': 3.5 kb

Targeting Vector

- - - - Endogenous Locus

* Not drawn to scale



5'>TGACGCCCTTCATGGCCTCCA GGTAGAAAGGGTTGGTGCTCCTGT GTCTGAGTGGGAAGGCAAGTTGTC TAGTGGGTGCTTACCCAGTGCCAG CCTTTAGACATGGTAATGACAGCT ATCCAGGCCTCACCGCCACCCAG AACTTACCTAAGCTTACTGTGGC TACCCATTTGTACTCTTAACATCC CTCATCATTTA<3' (SEQ ID NO:3)

FIGURE 2B

2 35